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BEFORE THE ARIZONA POWER &
TRANSMISSION LINE SITING COMMITTEE

IN THE MATTER OF THE APPLICATION OF SUN
STREAMS, LLC, IN CONFORMANCE WITH THE
REQUIREMENTS OF ARIZONA REVISED
STATUTES 40-360.03 AND 40-360.06, FOR A
CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AUTHORIZING
CONSTRUCTION OF THE SUN STREAMS GEN-
TIE PROJECT, A 34.5 / 500KV SUBSTATION AND
0.3-MILE 500KV GEN-TIE LINE
INTERCONNECTING A PHOTOVOLTAIC (PV)
SOLAR GENERATING FACILITY TO THE
ADJACENT HASSAYAMPA SWITCHYARD IN
MARICOPA COUNTY APPROXIMATELY 5
MILES SOUTHEAST OF WINTERSBURG,
APPROXIMATELY 11 MILES SOUTHEAST OF
TONOPAH, APPROXIMATELY 5 MILES WEST
NORTHWEST OF ARLINGTON, AND
APPROXIMATELY 14 MILES WEST OF
BUCKEYE, ARIZONA.

Docket No. L-00000XX-14-0120-00168

Case No. 168

ORIGINAL

NOTICE OF FILING
OF
VERIFICATION
OF
TEN YEAR PLAN FILINGS

RECEIVED
2014 MAY -8 P 4:20
ARIZONA CORPORATION COMMISSION
DOCKET CONTROL

Applicant, Sun Streams, LLC hereby files attached copies of the following documents for the
Sun Streams Gen-tie Project: (1) Ten Year Plan filed January 17, 2013; (2) Ten Year Plan filed
February 21, 2013; and (3) Ten Year Plan filed January 17, 2014.

RESPECTFULLY SUBMITTED this 8th day of May, 2014.

MOYES SELLERS & HENDRICKS

Arizona Corporation Commission
DOCKETED

MAY 08 2014

DOCKETED BY

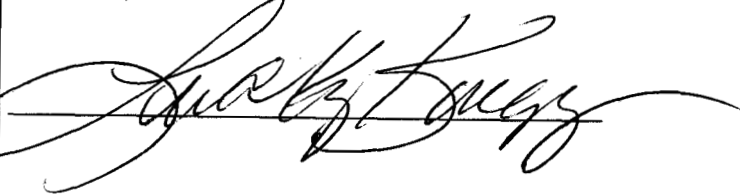
Jay I. Moyes
Jason Y. Moyes
1850 N. Central Avenue, Suite 1100
Phoenix, Arizona 85004
(602) 604-2141

1 ORIGINAL & 25 copies of the
2 Foregoing were filed with Docket
3 Control on the 8 day of May, 2014.

4 Copies were electronically delivered the 8 day of May, 2014, to:

5 Hon. John Foreman, Chairman
6 Arizona Power Plant and Transmission
7 Line Siting Committee
8 1275 W. Washington
9 Phoenix, AZ 85004

10 Coash & Coash
11 Arizona Reporting Service
12 1802 N. 7th Street
13 Phoenix, AZ 85006

14 

ORIGINAL



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Jason Y. Moyes, No. 025864
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Attorneys for Sun Streams, LLC

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2013 JAN 17 P 2:17

AZ CORP COMMISSION
DOCKET CONTROL

BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

BOB STUMP, CHAIRMAN
GARY PIERCE
BRENDA BURNS
SUSAN BITTER SMITH
BOB BURNS

IN THE MATTER OF
SUN STREAMS, LLC'S TEN YEAR
PLAN

Docket No. E-00000D-13-0002

NOTICE OF FILING TEN YEAR PLAN

In accordance with Arizona's Eighth Biennial Transmission Assessment process,
Element Power, through its wholly owned subsidiary Sun Streams, LLC, files its Ten
Year Plan for the substation and gen-tie transmission facilities associated with the
proposed Sun Streams Solar Generating Project, including the System Impact Study
prepared with respect to such facilities.

////

Arizona Corporation Commission
DOCKETED

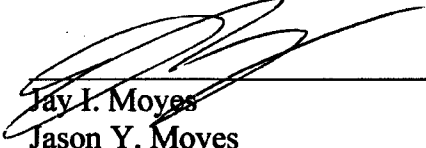
JAN 17 2013

DOCKETED BY

LSM

1 DATED this 17th day of January, 2013.

2 **MOYES SELLERS & HENDRICKS LTD.**

3
4 
5 Jay I. Moyes
6 Jason Y. Moyes
7 Attorneys for Sun Streams, LLC

8 Original and 13 copies filed this
9 17th day of January, 2013:

10 Docket Control
11 Arizona Corporation Commission
12 1200 West Washington Street
13 Phoenix, Arizona 85007

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SUN STREAMS, LLC
Ten Year Plan
For Proposed Transmission Facilities
(in-service 2015)

<u>Line Description</u>	Sun Streams Solar Project Substation and Gen-tie Line
<u>Size</u>	
• Voltage	34.5/500 kV step up transformers and up to approximately 1,600 feet of 500 kV AC single circuit line from the high side of the step up transformer to a 500 kV bus at the Hassayampa Switchyard.
• Capacity	TBD; Estimated 150 MW
• Point of Origin	The proposed Sun Streams 34.5/500 kV substation in the NW ¼ of Section 14 (at the Sun Streams Solar Generating Project, an approximately 150 MW, PV-only solar facility proposed for development in portions of Sections 2, 11, 12, 13 and 14), all in T. 1 N., R. 6 W., G&SRB&M.
• Termination Point	A 500 kV bus at the existing Hassayampa Switchyard.
• Length	TBD. Up to 1,600 feet, depending upon the final substation configuration.
<u>General Route</u>	TBD. Subject to ACC siting approval, the gen-tie line will generally run east to west from the Sun Streams Solar Generating Project substation in the NW ¼ of Section 14 into the adjacent, existing Hassayampa Switchyard.
<u>Purpose</u>	The gen-tie line will interconnect the proposed Sun Streams Solar Generating Project with the regional transmission grid at the Hassayampa Switchyard.
<u>Date</u>	
• Estimated Construction Start	Q2 of 2014
• Estimated In-Service Date	Q2 of 2015
• Is Certificate Necessary?	Yes. (A <i>series</i> of at least 3 structures will be required to reach the Hassayampa Switchyard, thus triggering the "transmission line" definition.)
<u>System Impact Study</u>	See attached System Impact Study Report prepared by Salt River Project

END

1 Jay I. Moyes, No. 007207

2 Jason Y. Moyes, No. 025864

3 MOYES SELLERS & HENDRICKS LTD.

4 1850 N. Central Avenue, Suite 1100 2013 FEB 21 P 12: 12

5 Phoenix, Arizona 85004

6 (602)-604-2106

7 jimoyes@law-msh.com

8 Attorneys for Sun Streams, LLC

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COPY

AZ CORP COMMISSION
DOCKET CONTROL

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11 **BEFORE THE ARIZONA CORPORATION COMMISSION**

12 **COMMISSIONERS**

13 BOB STUMP, CHAIRMAN

14 GARY PIERCE

15 BRENDA BURNS

16 SUSAN BITTER SMITH

17 BOB BURNS

18 **IN THE MATTER OF**
SUN STREAMS, LLC'S TEN YEAR
PLAN

Docket No. E-00000D-13-0002

19 **NOTICE OF FILING**
20 **AMENDED TEN YEAR PLAN**

21
22 On January 11, 2013, Element Power, through its wholly owned subsidiary Sun
23 Streams, LLC, ("Sun Streams") filed its Ten Year Plan (the "Plan") for the substation and
24 gen-tie transmission facilities associated with the proposed Sun Streams Solar Generating
25 Project, including the System Impact Study Report ("SIS") prepared with respect to such
26 facilities. That Plan contained an erroneous statement that the SIS was prepared by Salt
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1 River Project. Sun Streams hereby files an amended Plan correctly stating that the SIS
2 was prepared by Chuck-yan Wu, WHenergy Consulting, Inc.
3

4 Additionally, the SIS previously filed omitted Appendices D and F. Sun Streams
5 hereby files a complete copy of the entire SIS, including all listed Appendices.
6

7 DATED this 27th day of February, 2013.
8

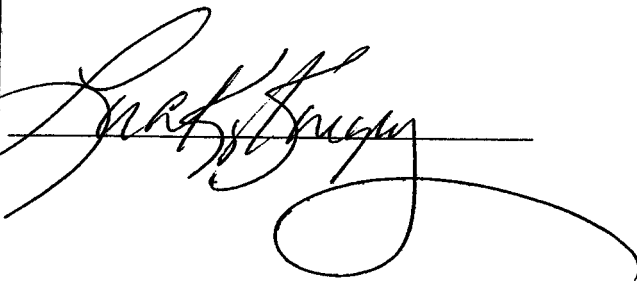
9 **MOYES SELLERS & HENDRICKS LTD.**

10 

11 Jay I. Moyes
12 Jason Y. Moyes
13 Attorneys for Sun Streams, LLC

14 Original and 13 copies filed this
15 27th day of February, 2013:

16 Docket Control
17 Arizona Corporation Commission
18 1200 West Washington Street
19 Phoenix, Arizona 85007
20

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SUN STREAMS, LLC
Ten Year Plan
For Proposed Transmission Facilities
(in-service 2015)

<u>Line Description</u>	Sun Streams Solar Project Substation and Gen-tie Line
<u>Size</u>	
• Voltage	34.5/500 kV step up transformers and up to approximately 1,600 feet of 500 kV AC single circuit line from the high side of the step up transformer to a 500 kV bus at the Hassayampa Switchyard.
• Capacity	TBD; Estimated 150 MW
• Point of Origin	The proposed Sun Streams 34.5/500 kV substation in the NW ¼ of Section 14 (at the Sun Streams Solar Generating Project, an approximately 150 MW, PV-only solar facility proposed for development in portions of Sections 2, 11, 12, 13 and 14), all in T. 1 N., R. 6 W., G&SRB&M.
• Termination Point	A 500 kV bus at the existing Hassayampa Switchyard.
• Length	TBD. Up to 1,600 feet, depending upon the final substation configuration.
<u>General Route</u>	TBD. Subject to ACC siting approval, the gen-tie line will generally run east to west from the Sun Streams Solar Generating Project substation in the NW ¼ of Section 14 into the adjacent, existing Hassayampa Switchyard.
<u>Purpose</u>	The gen-tie line will interconnect the proposed Sun Streams Solar Generating Project with the regional transmission grid at the Hassayampa Switchyard.
<u>Date</u>	
• Estimated Construction Start	Q2 of 2014
• Estimated In-Service Date	Q2 of 2015
• Is Certificate Necessary?	Yes. (A series of at least 3 structures will be required to reach the Hassayampa Switchyard, thus triggering the "transmission line" definition.)
<u>System Impact Study</u>	See attached System Impact Study Report prepared by Chuck-yan Wu, WHenergy Consulting, Inc. END

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ARIZONA CORP COMMISSION
DOCKET CONTROL

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BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

BOB STUMP, CHAIRMAN
GARY PIERCE
BRENDA BURNS
SUSAN BITTER SMITH
BOB BURNS

**IN THE MATTER OF
SUN STREAMS, LLC'S TEN YEAR
PLAN**

Docket No. E-00000D-13-0002

**NOTICE OF FILING
AMENDED TEN YEAR PLAN**

Sun Streams, LLC, ("Sun Streams") hereby files its 2014 Amended Ten Year Plan for the substation and gen-tie transmission facilities associated with the proposed Sun Streams Solar Generating Project.

DATED this 16th day of January, 2014.

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MOYES SELLERS & HENDRICKS LTD.


Jay I. Moyes

Jason Y. Moyes
Attorneys for Sun Streams, LLC

Original and 13 copies filed this
17 day of January, 2014:

Docket Control
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007



SUN STREAMS, LLC
Ten Year Plan (Amended)
For Proposed Transmission Facilities
(in-service estimated 2016)

Line Description

Sun Streams Solar Project Substation and Gen-tie Line

Size

- Voltage 34.5/500 kV step up transformers and up to approximately 1,600 feet of 500 kV AC single circuit line from the high side of the step up transformer to a 500 kV bus at the Hassayampa Switchyard.
- Capacity TBD; Estimated 150 MW
- Point of Origin The proposed Sun Streams 34.5/500 kV substation in the NW ¼ of Section 14 (at the Sun Streams Solar Generating Project, an approximately 150 MW, PV-only solar facility proposed for development in portions of Sections 2, 11, 12, 13 and 14), all in T. 1 N., R. 6 W., G&SRB&M.
- Termination Point A 500 kV bus at the existing Hassayampa Switchyard.
- Length TBD. Up to 1,600 feet, depending upon the final substation configuration.

General Route

TBD. Subject to ACC siting approval, the gen-tie line will generally run east to west from the Sun Streams Solar Generating Project substation in the NW ¼ of Section 14 into the adjacent, existing Hassayampa Switchyard.

Purpose

The gen-tie line will interconnect the proposed Sun Streams Solar Generating Project with the regional transmission grid at the Hassayampa Switchyard.

Date

- Estimated Construction Start TBD. Estimate Q2 of 2015
- Estimated In-Service Date TBD. Estimate Q2 of 2016
- Is Certificate Necessary? Yes. (A series of at least 3 structures will be required to reach the Hassayampa Switchyard, thus triggering the "transmission line" definition.)

System Impact Study

System Impact Study Report prepared by Chuck-yan Wu,
WHenergy Consulting, Inc. (filed previously)

END